

**PART I Authorization to Operate**

- A. The permittee is authorized to operate a Class V Injection Well (IW-1), at the facility described in the permit application and in the cover page of this permit, in accordance with the provisions set forth in this permit.
- B. Only the wastewater described in the original permit application shall be injected. Injection fluids shall be limited to reject water from the facility's de-mineralizer and non-contact blowdown from the facility's boiler units.
- C. This permit and the authorization to inject shall remain in effect until the expiration date stated on the cover page of this permit. If the permittee desires to continue injection past the expiration date of this permit, the permittee shall request a permit reissuance at least 180 days prior to expiration of this permit.

**PART II Construction Requirements**

- A. Injection Well Requirements
  - 1. The injection well shall be constructed with casing, tubing, and packer in accordance with plans submitted as part of the permit application including *Figure 4*.
  - 2. The permittee shall maintain a means of sampling the wastewater prior to being injected.
- B. Monitoring Well Construction
  - 1. The permittee shall maintain monitoring wells down gradient and up gradient of the injection well as described in the permit application.
  - 2. The monitoring wells shall include the following.
    - a) The monitoring wells shall be screened in the injection zone. The well screen shall be of sufficient length to account for seasonal fluctuations in the water table and affects of the injected fluids.
    - b) The annulus around each well casing above the well screen shall be sealed with bentonite to prevent the passage of surface water or injected fluids.
    - c) The surface installation shall include a concrete protective pad around the base of the well, a metal protective casing, and a locking cap.
  - 3. All surface water shall be routed away from the monitoring well's surface installation.

C. Modifications

Approval by ADEM shall be obtained prior to modification of any injection well or supporting surface. Modification shall mean any action that will change the configuration of the well beneath the surface, the methods of monitoring injection, or will result in injection of a fluid not specifically authorized by this permit.

**PART III Monitoring and Operating Requirements**

A. Injection Fluid

1. The permittee shall not inject any substance that is defined as hazardous or toxic by Federal or State laws or regulations or any substance not identified in the application for this permit. The proposed use of substances other than those identified in the permit application must be reviewed and approved by ADEM prior to use.
2. The permittee shall monitor the fluid to be injected as specified in Appendix A of this permit.
3. The permittee shall not exceed the limits established in Appendix A of this permit.
4. ADEM may change the sampling requirements if the sampling data indicates a need to do so.

B. Monitoring Wells

1. The permittee shall sample the monitoring well in accordance with Appendix B of this permit. The permittee shall not exceed the limits established in Appendix B of this permit.
2. The permittee shall purge the monitoring wells prior to sampling.
3. ADEM may change the sampling requirements if the sampling data indicates a need to do so.

C. Operation

1. The injection well operated under this permit shall function properly and injected fluids shall not surface or saturate the uppermost soil layer. Should the injection well fail to function properly, the permittee shall take corrective action, to include cessation of injection, as required by ADEM.
2. The permittee shall adopt the following best management practices:
  - a) Inspect terminal equipment, tanks, and chemical containers regularly for leaks.
  - b) Calibrate treatment and application equipment regularly.
  - c) Comply with Federal, State, and local solids and liquid waste disposal regulations.

## PART IV Records, Reports, & Submittals

### A. Records

1. The permittee shall record the information listed below for all monitoring activities:
  - a) The date, exact place, and time of sampling or sampling measurement(s);
  - b) The name of individual(s) who perform the sampling or measurement(s);
  - c) The date(s) analyses were performed;
  - d) The name of the individual(s) who performed the analyses;
  - e) The analytical or technical methods used;
  - f) The results of each analysis performed; and
  - g) The completed chain-of-custody forms for all samples collected.
2. The permittee shall retain all records concerning the data used to complete the permit application, the operation of the wells, and the nature and composition of pollutants injected; to include records of the calibration of instruments, meters and gauges, quality control records, and recordings from continuous monitoring instrumentation; until at least three years after the closure of well(s).
3. When requested by ADEM, the permittee shall deliver to the ADEM copies of any of the records maintained in accordance with this permit.

### B. Reports

1. The reporting period for all monitoring performed under Appendix A shall be quarterly.
2. The reporting period for all monitoring performed under Appendix B shall be semi-annually.
3. The permittee shall submit not later than 28 days after the reporting period, a monitoring report which shall include:
  - a) The date and exact place of sampling;
  - b) The results of each analysis performed.
4. **Within 180 days upon the effective date of this permit, the permittee must enroll and participate in the Department's web-based electronic environmental (E2) DMR reporting system.** Once the permittee is enrolled in the E2 DMR system, the permittee must utilize the system for the submittal of DMRs. The Permittee Participation Package may be downloaded online at <https://e2.adem.alabama.gov.npdes>. If the E2 DMR system is down due to technical problems originating with the Department's system, the permittee is not relieved of the obligation to submit DMR data by the required submittal date via faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date.

5. The permittee shall report to ADEM any of the following:
- a) Any planned action which will change the use of the injection well, will result in injection of a fluid different from that authorized by this permit, will change the method of operations of any injection well, or will change the method of the monitoring of well operations or injected fluids.
  - b) Any planned transfer of ownership of all or part of the permitted facility.
  - c) Any relevant facts of which the permittee becomes aware which should have been submitted in a permit application and any corrections to data previously submitted in a permit application.

6. Other Submittals

Studies, engineering reports, plans and specifications, plugging and abandonment plans, logging reports, and other technical documents submitted to comply with this permit shall be prepared by or under the supervision of qualified persons defined by the Underground Injection Control (UIC) Regulations of ADEM.

**PART V Plugging and Abandonment**

The permittee shall perform any abandonment and closure actions that may be required by ADEM to remove a threat to groundwater quality or to the health of persons which is caused by the injection activity.

**PART VI Permit Modification, Revocation, Suspension, and Termination**

- A. ADEM may impose emergency additional conditions to this permit when necessary to protect waters of the state from pollution. These conditions may include suspension of the permit to inject and shall remain in effect until the permit is modified, revoked, suspended or terminated in accordance with the UIC Regulations of ADEM.
- B. Non-emergency permit modification, revocation, suspension, and termination actions shall be accomplished in accordance with ADEM Administrative Code Rule 335-6-8.

**PART VII General Provisions**

- A. The permittee shall comply with all provisions of the UIC Regulations of ADEM and shall comply with all provisions of this permit and shall reduce or halt injection if needed to maintain compliance with the permit and regulations.
- B. The permittee shall comply with all applicable Federal and State hazardous waste management regulations.
- C. The permittee shall allow members of ADEM staff to:
  - 1. Access property and records of the permittee for purposes of inspection.
  - 2. Collect samples of the injected fluids, process and wastewater streams associated with the permitted injection wells.
  - 3. Collect samples from any monitoring wells.

4. Obtain copies of records upon request.
- D. The permittee shall immediately take all reasonable steps to minimize or correct any adverse environmental impact resulting from the operation of the permitted injection wells.
- E. This permit does not convey any property rights of any sort, or any exclusive privilege.
- F. The filing of a request by the permittee for a permit modification, revocation, and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- G. Any noncompliance with this permit constitutes a violation of the Alabama Water Pollution Control Act and/or the UIC Regulations and is grounds for enforcement action such as permit termination, revocation, modification; or denial of a permit renewal application.
- H. Injection to waters of the state, which in this case is groundwater, in accordance with this permit shall not result in the exceedance of a Maximum Contaminant Level (MCL) as established by the Environmental Protection Agency. Injection to groundwater, in accordance with this permit shall not result in a violation of a surface water quality standard.
- I. All provisions of ADEM Admin. Code Rule 335-6-8-.12 are incorporated as terms and conditions of this permit by reference.

## APPENDIX A

The wastewater discharge (EFF-01) shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>UNITS</u>	<u>DISCHARGE LIMITS</u>	<u>MONITORING REQUIREMENTS</u>	
			FREQUENCY	SAMPLE TYPE
pH	S.U.	Report	Weekly	Grab
Chloride	mg/l	Report	Quarterly	Grab
Sulfate	mg/l	Report	Quarterly	Grab
Total Nitrate	mg/l	10	Quarterly	Grab
Total Dissolved Solids	mg/l	Report	Quarterly	Grab
Mercury	mg/L	0.002	Quarterly	Grab

## APPENDIX B

The monitoring wells shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>UNITS</u>	<u>DISCHARGE LIMITS</u>	<u>MONITORING REQUIREMENTS</u>	
			FREQUENCY	SAMPLE TYPE
pH	S.U.	Report	Semi-Annually	Grab
Chloride	mg/l	Report	Semi-Annually	Grab
Sulfate	mg/l	Report	Semi-Annually	Grab
Total Dissolved Solids	mg/l	Report	Semi-Annually	Grab
Total Nitrate	mg/l	Report	Semi-Annually	Grab
Mercury	mg/L	0.002	Quarterly	Grab

## ADEM Permit Rationale

Date: July 8, 2021

Prepared by: Jessica Spence

Permit applicant: Wayne Farms, LLC  
Kevin McDaniel  
4110 Continental Drive, Building B  
Oakwood, Georgia 30566

Facility Name: Wayne Farms Ozark Feedmill

Location: 1185 County Road 18  
Ozark, Dale County, Alabama  
Lat:N 31.372400/Long:W -85.592611  
Town 5N, Range 24E, Section 25

UIC Permit Number ALSI9923006

Draft Permit is: Reissuance

Injection Description: Injection of reject water from a de-mineralizer and non-contact blowdown from the operation of three boiler units

Discussion: Standard permit drafted.

1. No hazardous injection
2. Sampling point required
3. Discharge must be sampled quarterly
4. Monitoring wells must be sampled quarterly
5. Results must be submitted in a timely manner
6. monitoring wells must be sampled
7. BMP's included in permit
8. E2 Participation Requirement